ABSTRACT OF THE DISCLOSURE

A method for providing dynamic memory management, and a memory device and a system for implementing this method. In addition, a computer program and a computer program product. The memory device includes a first memory block, in which a startup program is stored, and a number of additional memory blocks. The first memory block and the additional memory blocks are connected by a chained list, which is executed at the time of checking of the memory device. The startup program obtains data necessary for a check from the memory blocks themselves.